

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

To:
OFFICE VAN MALDEREN
 Attn. Van Malderen, Joelle
 Place Reine Fabiola 6/1
 B-1083 Bruxelles
 BELGIUM

NOTIFICATION OF RECEIPT
 OF SEARCH COPY

(PCT Rule 28.1)

30-5-2003

OFFICE VAN MALDEREN

Date of mailing
 (day/month/year)

27/05/2003

Applicant's or agent's file reference

P. PURA. 17/WO

IMPORTANT NOTIFICATION

International application No.

PCT/BE 03/ 00062

International filing date (day/month/year)

07/04/2003

Priority date (day/month/year)

05/04/2002

Applicant

PURATOS

1. **Where the International Searching Authority and the Receiving Office are not the same office:**

The applicant is hereby notified that the search copy of the international application was received by this International Searching Authority on the date indicated below.

Where the International Searching Authority and the Receiving Office are the same office:

The applicant is hereby notified that the search copy of the international application was received on the date indicated below.

12/05/2003 (date of receipt).

2. ☐ The search copy was accompanied by a nucleotide and/or amino acid sequence listing in computer readable form.

3. **Time limit for establishment of International Search Report**

The applicant is informed that the time limit for establishing the International Search Report is 3 months from the date of receipt indicated above or 9 months from the priority date, whichever time limit expires later

4. A copy of this notification has been sent to the International Bureau and, where the first sentence of paragraph 1 applies, to the Receiving Office.

Name and mailing address of the International Searching Authority



European Patent Office, P.B. 5818 Patentlaan 2
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Authorized officer

ISA/EP

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P. PURA. 17/WO	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/BE 03/ 00062	International filing date (day/month/year) 07/04/2003	(Earliest) Priority Date (day/month/year) 05/04/2002
Applicant PURATOS		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the International search was carried out on the basis of the International application in the language in which it was filed, unless otherwise indicated under this item.

☐ the International search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the International application, the International search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the International application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

4. With regard to the title,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

METHOD AND COMPOSITION FOR THE PREVENTION OR RETARDING OF STALING

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this International search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

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☐ None of the figures.

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A21D8/04 C12N9/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A21D C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ, FSTA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DD 156 714 A (KLINGENBERG PETER; KRETSCHMER SIGRID; JACOB HANS EGON; KOERNER DIETER;) 15 September 1982 (1982-09-15) page 1, paragraph 1 claim 1	1,4,6,7, 10, 13-16,18
X	TÄUTEL, RUTTLOF, EMMER: "Enzymeinsatz zur Rationalisierung der Waffelproduktion" BÄCKER UND KONDI TOR, vol. 32, no. 1, 1984, pages 22-24, XP008015984 tables 1,2	1,6,8, 10,14, 15,17,18
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

2 September 2003

Date of mailing of the international search report

14/10/2003

Name and mailing address of the ISA

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Piret-Viprey, E

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 74169 A (LEELAVATHI KRISHNARAU ; PRAKASH VISHWESHWARAIAH (IN); COUNCIL SCIEN) 11 October 2001 (2001-10-11) page 4, line 7-13 page 10, line 6-8 examples 1-4 claims 1,2	1,5, 8-10,17, 18
X	GB 375 342 A (HARRY HEWITT; BRITISH ARKADY COMPANY LTD) 24 June 1932 (1932-06-24) page 1, line 60-79, 12-111 claim 1	1,9,10, 18
X	US 3 561 975 A (LUEBERING JAMES E ET AL) 9 February 1971 (1971-02-09) column 3, line 71 -column 4, line 25 column 5, line 30-35 column 9, line 1-12 example I claims 1,4,6	1,8,10, 17,18
X	EP 1 186 658 A (AMANO ENZYME INC) 13 March 2002 (2002-03-13) cited in the application examples 1,10 claim 1	1,2,4,9, 10,13,18
X	GB 906 344 A (WILLIAM LEONARD RUSSELL; WILFRED JOHN RUSSELL) 19 September 1962 (1962-09-19) page 1, line 14-35, 79-88 page 2, line 20-29 claims 1,15,16	1,4, 8-10,13, 17,18
X	DATABASE WPI Derwent Publications Ltd., London, GB; AN 2002-170439 XP002252886 "Strain of bacillus licheniformis as producer of keratinase" & RU 2 177 994 A (OOO NAUC), 10 January 2002 (2002-01-10) abstract	10, 14-16, 19,21,22
X	US 5 569 599 A (ANTRANIKIAN GARABED) 29 October 1996 (1996-10-29) column 1, line 14-17 column 2, line 51-54 claims 1,2	10-15
X	US 5 124 261 A (TERADA ICHIRO ET AL) 23 June 1992 (1992-06-23) column 1, line 15-24, 34-52 column 8, line 31-51 claim 8	10,11, 13-15
	-/--	

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 714 373 A (STETTER KARL O) 3 February 1998 (1998-02-03) figure 3 column 1, line 19-27 column 2, line 1-14 example 2 column 7, line 37-45 ---	10, 11, 13
P, X	DATABASE WPI Derwent Publications Ltd., London, GB; AN 2003-533431 XP002252887 "Efficient, broad-spectrum keratinase and its gene" & CN 1 405 305 A (YAO BIN), 26 March 2003 (2003-03-26) abstract ---	10, 11, 14, 15, 19, 21
P, X	FR 2 827 480 A (COMPAGNIE LAITIÈRE EUROPÉENNE) 24 January 2003 (2003-01-24) page 3, line 25-32 examples 1-9 page 4, line 7-9 page 5, line 13 -page 6, line 7 -----	19

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DD 156714	A	15-09-1982	DD 156714 A1	15-09-1982
WO 0174169	A	11-10-2001	WO 0174169 A1	11-10-2001
			AT 234017 T	15-03-2003
			AU 5843700 A	15-10-2001
			BR 0017192 A	14-01-2003
			DE 60001667 D1	17-04-2003
			EP 1199942 A1	02-05-2002
GB 375342	A	24-06-1932	NONE	
US 3561975	A	09-02-1971	NONE	
EP 1186658	A	13-03-2002	EP 1186658 A1	13-03-2002
			WO 0073429 A1	07-12-2000
			JP 2001037474 A	13-02-2001
GB 906344	A	19-09-1962	NONE	
RU 2177994	A	10-01-2002	RU 2177994 C2	10-01-2002
US 5569599	A	29-10-1996	DE 4208275 A1	16-09-1993
			AT 159286 T	15-11-1997
			AU 3889693 A	05-10-1993
			CN 1082108 A	16-02-1994
			DE 59307554 D1	20-11-1997
			DK 630401 T3	02-06-1998
			WO 9318134 A1	16-09-1993
			EP 0630401 A1	28-12-1994
			ES 2111741 T3	16-03-1998
			JP 7504326 T	18-05-1995
US 5124261	A	23-06-1992	JP 2092288 A	03-04-1990
US 5714373	A	03-02-1998	NONE	
CN 1405305	A	26-03-2003	NONE	
FR 2827480	A	24-01-2003	FR 2827480 A1	24-01-2003
			WO 03007731 A1	30-01-2003